

P24344.P01 <div style="text-align: center;">UTILITY PATENT APPLICATION TRANSMITTAL</div> <p>(Only for new nonprovisional applications under 37 CFR 1.53(b))</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Attorney Docket No.</td> <td style="width:33%;">P24344</td> <td style="width:33%;">Total Pages</td> <td></td> </tr> <tr> <td colspan="4">Inventor(s) or Application Identifier Gyu Ha CHOE</td> </tr> <tr> <td colspan="4">Title: SYSTEM SND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL</td> </tr> </table>	Attorney Docket No.	P24344	Total Pages		Inventor(s) or Application Identifier Gyu Ha CHOE				Title: SYSTEM SND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL			
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Title: SYSTEM SND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL													
<p>ADDRESS TO: Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450</p>													
APPLICATION ELEMENTS		ACCOMPANYING APPLICATION PARTS											
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Small Entity Statement(s)</p> <p>3. <input checked="" type="checkbox"/> Specification (preferred arrangement set forth below) [Total Pages <u>25</u>]</p> <ul style="list-style-type: none"> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>10</u>]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>3</u>]</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Unexecuted</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below]</p> <p style="margin-left: 40px;">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> <p>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)</p>		<p>9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p style="margin-left: 20px;">b. Specification Sequence Listing on:</p> <p style="margin-left: 40px;">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</p> <p style="margin-left: 40px;">ii. <input type="checkbox"/> paper</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p>10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>11. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney</p> <p>12. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>14. <input type="checkbox"/> Preliminary Amendment</p> <p>15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>2</u></p> <p>17. <input checked="" type="checkbox"/> Foreign priority claimed</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> Claim of Priority</p> <p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)</p> <p>18. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b) (2) (B) (i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>19. <input checked="" type="checkbox"/> Assignee: <u>KONKUK UNIVERSITY</u> <u>of Seoul, Republic of Korea</u></p> <p>20. <input checked="" type="checkbox"/> Other: <u>Cover Letter Regarding Executed Application</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>											
<p>21. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. _____/_____, filed _____.</p> <p>Prior application information: Examiner: _____ Group Art Unit: _____</p>													

03917 U.S. PTO
 10/724616
 120203

Address all future correspondence to **Customer No. 7055** at the present address of:

GREENBLUM & BERNSTEIN, P.L.C.
 1950 Roland Clarke Place
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 (703) 716-1191

12/2/03
 Date


 Signature
Bruce H. Bernstein, Reg. No. 29,027
 Typed or Printed Name

33,329

The PTO did not receive the following
 listed item(s) 1 page of Drawing

P24344.P02

FEE TRANSMITTAL

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Gyu Ha CHOE
Group Art Unit	Unassigned
Examiner Name	Unassigned

TOTAL AMOUNT OF PAYMENT (\$ 425.00)

Attorney Docket Number P24344

METHOD OF PAYMENT (check one)

1. ☒ The U.S Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089

Deposit Account Name GREENBLUM & BERNSTEIN, P.L.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future

reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3))

- ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)

- ☒ Applicant Claims Small Entity Status See 37 CFR 1.27.

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION (fees effective 10/01/03)

1. FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ 385.00)

2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
10	-20=	0 x 18 =	0
Independent Claims	2 -3=	0 x 86 =	0
Multiple Dependent Claims	0	x 290 =	0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim
1204	86	2204	43	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR	
1805	1,840*	1805	1,840*	Prior to Examiner action	
1251	110	2251	55	Requesting publication of SIR after Examiner action	
1252	420	2252	210	Extension for response within 1st month	
1253	950	2253	475	Extension for response within 2nd month	
1254	1,480	2254	740	Extension for response within 3rd month	
1255	2,010	2255	1,005	Extension for response within 4th month	
1401	330	2401	165	Extension for response within 5th month	
1402	330	2402	165	Notice of Appeal	
1403	290	2403	145	Filing a brief in support of an appeal	
1451	1,510	1451	1,510	Request for oral hearing	
1452	110	2452	55	Petition to institute a public use proceeding	
1453	1,330	2453	665	Petition to revive unavoidably abandoned application	
1501	1,330	2501	665	Petition to revive unintentionally abandoned application	
1502	480	2502	240	Utility issue fee (or reissue)	
1503	640	2503	320	Design issue fee	
1460	130	1460	130	Plant issue fee	
1807	50	1807	50	Petitions to the Commissioner	
1806	180	1806	180	Petitions related to provisional applications	
8021	40	8021	40	Submission of IDS	
1809	770	2809	385	Recording each patent assignment per property (times number of properties)	40.00
1810	770	2810	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1801	770	2801	385	For each additional invention to be examined (37 CFR 1.129(b))	
1802	900	1802	900	Request for Continued Examination (RCE)	
				Request for expedited examination of a design application	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) (\$ 40.00)

*Reduced by Basic Filing Fee paid

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name Bruce H. Bernstein

Reg. Number

29,027

Signature

Date

12/2/03

Deposit Account User ID

P24344.A01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gyu Ha CHOE

Applications Branch

Appln. No. : Not yet assigned

Filed : Concurrently herewith

For : SYSTEM AND METHOD FOR IMPLEMENTING SOLAR CELL

COVER LETTER REGARDING EXECUTED APPLICATION

Commissioner for Patents
Alexandria, VA 22313-1450

Sir:


The undersigned points out that the executed application being filed herewith includes pages 1 - 3 of the executed declaration which were forwarded to the undersigned by Applicant's Korean representative on November 18, 2003, pages 1 - 25 of the specification which were forwarded to the undersigned by Applicant's Korean representative on November 10, 2003, and Figures 1 - 9 (10 sheets of drawings) which were forwarded to the undersigned by Applicant's Korean representative on December 2, 2003.

Applicant respectfully submits that the present application is properly executed and should be considered as filed in executed form. However, if the U.S. Patent and Trademark Office determines that the present application is not properly executed, Applicant respectfully requests that the present application be treated as an unexecuted application under 37 C.F.R. 1.53(f).

P24344.A01

Should there be any questions regarding this paper, please contact the undersigned at the below listed number.

Respectfully submitted,
Gyu Ha CHOE

 Reg. No.
Bruce H. Bernstein
Reg. No. 29,027 33,329

December 2, 2003
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